

REMARKS

In the patent application, claims 1-30 are pending. In the office action, all pending claims are rejected.

Applicant has amended claims 1, 2, 6, 7, 9, 11, 14-17, 19-24 and 27-30 to change the wording of the claims. No new matter has been introduced.

At section 2 of the office action, claims 1-11 and 15-30 are rejected under 35 U.S.C. 102(e) as being anticipated by *Ohki* (U.S. Patent Application Publication No. 2004/00137888).

In rejecting claim 1, the Examiner states that *Ohki* discloses a method for registering a home address as claimed (paragraphs [0141] to [0143]). Applicant respectfully disagrees.

The Cited *Ohki* Reference

Ohki is concerned with registering a care-of-address (CoA) by a mobile node MN (see Abstract). In particular, when the mobile node MN moves from a subnetwork SY to another subnetwork SX, the mobile node MN sends a Binding Update (BU) to register the CoA of a destination with a home agent HA in subnetwork SY (Figure 1).

According to IPv4 and IPv6, the subnetwork to which the mobile node MN was originally connected to is called “home network”, and “home agent (HA)” is a node that is present in the home network to take charge during the absence of the mobile node MN. While the mobile node MN is connected to a different network (a “foreign network”), an address that is assigned for the mobile node in the foreign network is called a care-of-address (CoA) (paragraph [0003]).

It is respectfully submitted that a care-of-address (CoA) is different from a home address (HoA).

As described in the specification of the current application, the home address (HoA) of a mobile node MN is the IP address statically assigned to the MN in its original network, according to IPv6 (p.1, lines 15-16). When connected through a foreign network, the MN sends a BU to its HA to indicate its current location information, or the

CoA assigned to the MN at the current point of attachment. This information allows the HA to forward packets intended for the MN to the current location. (p.1, lines 16-20).

Ohki discloses a procedure for a mobile node to register its CoA with its home agent HA.

The Claimed Invention

The claimed invention is concerned with registering a home address HoA by a mobile node MN. In the claimed invention, the method of registering a home address of a mobile node with a home agent in a network involves the following steps:

conveying a request by the mobile node to the home agent requesting the registration of the home address;

authenticating the mobile node; and

storing the home address of the mobile node in the home agent.

Ohki Fails to Anticipate Claims 1-11 and 15-30

Ohki does not disclose the procedure for a mobile node to register a home address (HoA) with the home agent HA.

For the above reasons, *Ohki* fails to anticipate claims 1-11 and 15-30.

Dependent Claims 12-14

At section 4, claims 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Ohki*, in view of *Kakemizu et al.* (U.S. Patent Application Publication No. 2001/0036164, hereafter referred to as *Kakemizu*). In rejecting claims 12 and 13, the Examiner admits that *Ohki* fails to disclose the feature of the lifetime that can be refreshed, but points to *Kakemizu* for disclosing that feature.

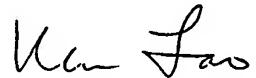
At section 5, claim 14 is rejected under U.S.C. 103(a) as being unpatentable over *Ohki*, in view of *Akhtar et al.* (U.S. Patent No. 7,079,499, hereafter referred to as *Akhtar*). In rejection claim 14, the Examiner admits that *Ohki* fails to disclose the step of authenticating the request using a hash function, but points to *Akhtar* for disclosing that feature.

It is respectfully submitted that claims 12-14 are independent from claim 1 and recite features not recited in claim 1. For reasons regarding claim 1 above, claims 12-14 are also distinguishable over the cited *Ohki*, *Kakamizu* and *Akhtar* references.

CONCLUSION

Claims 1-30 are allowable. Early allowance of all pending claims is earnestly solicited.

Respectfully submitted,



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